

VIA HAND DELIVERY FEBRUARY 5, 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Ruben et al.

Atty. Docket No.: PZ006G13AP1C1D1

Application Number: Unassigned

Group Art Unit: Unassigned

Filed: Herewith

Examiner: Unassigned

Title: 32 Human Secreted Proteins

ASSOCIATE POWER OF ATTORNEY

Commissioner for Patents
Washington, D.C. 20231

Sir:

The undersigned attorney of record hereby appoints the Practitioners at Customer Number **22195** as associate attorneys/agents to prosecute the application identified above, including any continuation or divisional applications, and to transact all business in the United States Patent and Trademark Office connected therewith.

Respectfully submitted,

Date:

February 5, 2002



Kenley K. Hoover
Attorney for Applicants

Reg. No. 40,302

Human Genome Sciences, Inc.
9410 Key West Avenue
Rockville, MD 20850
Telephone: (301) 610-5771

JMM/CEW/ba/mlm

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned, **Steven M. Ruben; Craig A. Rosen; Kenneth C. Carter; Patrick J. Dillon; Gregory A. Endress; Guo-Liang Yu; Jian Ni and Ping Feng**, hereby sell(s), assign(s) and transfer(s) to Human Genome Sciences, Inc. ("Assignee") having a place of business at 9410 Key West Avenue, Rockville, MD 20850, its successors, assigns and legal representatives, his entire right, title and interest for the United States and all other countries, in and to the improvements(s) known as:

32 Human Secreted Proteins

for which application for United States Letters Patent was filed on **November 10, 1998**, and assigned **Serial No. 09/189,144**, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all other countries on any of said improvements, and in and to all original and reissued patents which have been or shall be issued in the United States and all other countries on said improvements (hereinafter collectively, the "Patent Rights").

The undersigned further agrees that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and, when requested, without charge to but at the expense of Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on all such improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives all facts known to the undersigned relating to said improvements and the history thereof; and do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patent and all patents on said improvements in Assignee, its successors, assigns and representatives.

The undersigned hereby represents and warrants to Assignee, its successors, assigns and representatives that no assignment, grant, mortgage, license or other right or agreement affecting the rights and property herein conveyed has been made to others by the undersigned and that full right to convey the same as expressed herein is possessed by the undersigned.

The undersigned hereby grants the power to A. Anders Brookes (Reg. No. 36,373), Kenley K. Hoover (Reg. No. 40,302); James H. Davis (Reg. No. 40,582), Joseph J. Kenny (Reg. No. 43,710) and Michele M. Wales (Reg. No. 43,975) all of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850 to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signature: _____ Date: _____
Steven M. Ruben

Inventor's Signature: _____ Date: _____
Craig A. Rosen

ASSIGNMENT

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Inventor's Signature: _____


Steven M. Ruben

Date: 5/11/99

Inventor's Signature: _____


Craig A. Rosen

Date: 5/11/99

Inventor's Signature: _____ Date: _____
Kenneth C. Carter

Inventor's Signature: _____ Date: _____
Patrick J. Dillon

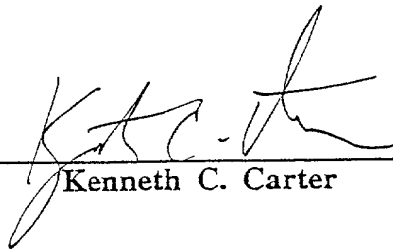
Inventor's Signature: _____ Date: _____
Gregory A. Endress

Inventor's Signature: _____ Date: _____
Guo-Liang Yu

Inventor's Signature: _____ Date: 5/13/99
Jian Ni

Inventor's Signature: _____ Date: 5/24/99
Ping Feng

Inventor's Signature: _____



Kenneth C. Carter

Date: _____

6/5/99

Inventor's Signature: _____

Patrick J. Dillon

Date: _____

Inventor's Signature: _____

Gregory A. Endress

Date: _____

Inventor's Signature: _____

Guo-Liang Yu

Date: _____

Inventor's Signature: _____

Jian Ni

Date: _____

Inventor's Signature: _____

Ping Feng

Date: _____

Human Genome Sciences, Inc.
9410 Key West Avenue, Rockville, Maryland, 20850
Tel: 301-309-8504 Fax: 301-309-8439

1006331-060500

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Kenneth C. Carter

Inventor's Signature: _____ Date: 06/13/99

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Inventor's Signature: _____ Date: _____

Gregory A. Endress

Inventor's Signature: _____ Date: _____

Guo-Liang Yu

Inventor's Signature: _____ Date: _____

Jian Ni

Inventor's Signature: _____ Date: _____

Ping Feng

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Kenneth C. Carter

Inventor's Signature: _____ Date: _____
Patrick J. Dillon

Inventor's Signature: *Gregory A. Endress* Date: 6/3/99
Gregory A. Endress

Inventor's Signature: _____ Date: _____
Guo-Liang Yu

Inventor's Signature: _____ Date: _____
Jian Ni

Inventor's Signature: _____ Date: _____
Ping Feng

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Inventor's Signature: _____ Date: _____
Steven M. Ruben

Inventor's Signature: _____ Date: _____
Craig A. Rosen

Inventor's Signature: Ping Feng Date: _____

2 of 2

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I declare that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

32 Human Secreted Proteins

the specification of which is filed on November 10, 1998 as Application Serial No. 09/189,144.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

Priority Claimed
Yes No

(Number) (Country) (Day/Month/Year Filed)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

	<u>Filing Date</u>	<u>Appln No.</u>
1.	May 30, 1997	60/044,039
2.	May 30, 1997	60/048,093
3.	May 30, 1997	60/048,190
4.	May 30, 1997	60/050,935
5.	May 30, 1997	60/048,101
6.	May 30, 1997	60/048,356
7.	August 29, 1997	60/056,250
8.	August 29, 1997	60/056,296
9.	August 29, 1997	60/056,293

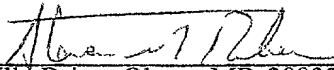
I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

PCT/US98/10868 May 28, 1998 pending
(Application Serial No.) (Filing Date) (Status: patented, pending, abandoned)

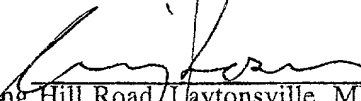
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first joint inventor: Steven M. Ruben

Inventor's signature:  Date: 5/1/98
Residence: 18528 Heritage Hills Drive, Olney, MD 20832 Citizenship: US
Post Office Address: same as above

Full name of first joint inventor: Craig A. Rosen

Inventor's signature:  Date: 5/10/99
Residence: 22400 Rolling Hill Road, Laytonsville, MD 20882 Citizenship: US
Post Office Address: same as above

Full name of additional joint inventor: Kenneth C. Carter

Inventor's signature: _____ Date: _____
Residence: 11601 Brandy Hall Lane, North Potomac, MD 20878 Citizenship: US
Post Office Address: same as above

Full name of first joint inventor: Patrick J. Dillon

Inventor's signature: _____ Date: _____
Residence: 1055 Snipe Court, Carlsbad, CA 92009 Citizenship: US
Post Office Address: same as above

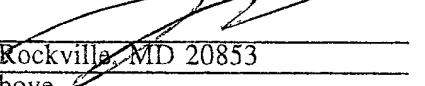
Full name of additional joint inventor: Gregory A. Endress

Inventor's signature: _____ Date: _____
Residence: 9729 Clagett Farm Drive, Potomac, MD 20954 Citizenship: US
Post Office Address: same as above

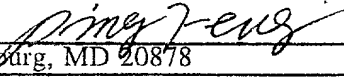
Full name of additional joint inventor: Guo-Liang Yu

Inventor's signature: _____ Date: _____
Residence: 242 Gravatt Dr., Berkeley, California 94705 Citizenship: CN
Post Office Address: same as above

Full name of first joint inventor: Jian Ni

Inventor's signature:  Date: 5/13/99
Residence: 5502 Manorfield Road, Rockville, MD 20853 Citizenship: CN
Post Office Address: same as above

Full name of additional joint inventor: Ping Feng

Inventor's signature:  Date: 5/24/99
Residence: 4 Relda Court, Gaithersburg, MD 20878 Citizenship: CN US
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1006631 060500

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Prior Foreign Application(s):

Priority Claimed
Yes No

(Number) (Country) (Day/Month/Year Filed)

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1.	May 30, 1997	60/044,039
2.	May 30, 1997	60/048,093
3.	May 30, 1997	60/048,190
4.	May 30, 1997	60/050,935
5.	May 30, 1997	60/048,101
6.	May 30, 1997	60/048,356
7.	August 29, 1997	60/056,250
8.	August 29, 1997	60/056,296
9.	August 29, 1997	60/056,293

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

PCT/US98/10868 May 28, 1998 pending
(Application Serial No.) (Filing Date) (Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: A. Anders Brookes (Reg. No. 36,373), Kenley K. Hoover (Reg. No. 40,302); James H. Davis (Reg. No. 40,582), Joseph J. Kenny (Reg. No. 43,710) and Michele M. Wales (Reg. No. 43,975) all of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Post Office Address: same as above

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Full name of additional joint inventor: Kenneth C. Carter

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Full name of first joint inventor: Patrick J. Dillon

Inventor's signature: Patrick J. Dillon Date: 06/13/99
Residence: 1055 Snipe Court, Carlsbad, CA 92009 Citizenship: US
Post Office Address: same as above

Full name of additional joint inventor: Gregory A. Endress

Inventor's signature: _____ Date: _____
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Full name of additional joint inventor: Guo-Liang Yu

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Full name of first joint inventor: Jian Ni

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Human Genome Sciences, Inc.
9410 Key West Avenue, Rockville, Maryland, 20850
Tel: 301-309-8504 Fax: 301-309-8439

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I declare that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

32 Human Secreted Proteins

the specification of which is filed on November 10, 1998 as Application Serial No. 09/189,144.

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PCT/US98/10868

(Application Serial No.)

May 28, 1998

(Filing Date)

pending

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1005331-060506

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